

THE GAS SYSTEM

ENG 2.1 Is your utility's gas system made up of one service territory or is it a number of smaller service territories that either do not border each other or which cannot share gas supplies? Please explain and describe each service territory (including number of customers in Illinois and total number of communities served within Illinois. This description should include maps of each service territories that show:

- A) Utility-owned or leased pipelines 4" and larger;
- B) Interstate pipeline location;
- C) Location of utility-owned storage fields;
- D) Location of any LPG or LNG facilities;
- E) Location of connections with interstate pipeline companies and other LDCs; and
- F) Location of connections for local (in-state) gas purchases.

One service territory, in Wabash County and a portion of Lawrence County, having 3,308 residential, 402 commercial, and 1 industrial customer. Communities served include the cities of Mt Carmel & St Francisville, and the villages of Allendale, Belmont, Cowling, Keensburg, Maud, and Patton.

Maps are attached. Mt Carmel has no storage field (Item C) nor interconnects for local gas purchases (Item F).

ENG 2.2 Provide a list and a description, including maximum daily gas flow, of each interconnection that each of your service territories had with your other service territories and with other gas utilities during the reconciliation period.

None

ENG 2.3 Provide a list and description of all the pipeline take points that were active for each of your service territories during the reconciliation period.

Meter tap, City of Grayville, at end of Grayville pipeline to Texas Eastern Pipeline Co.

OFFICIAL FILE

ILL. C. C. DOCKET NO. 01-0704

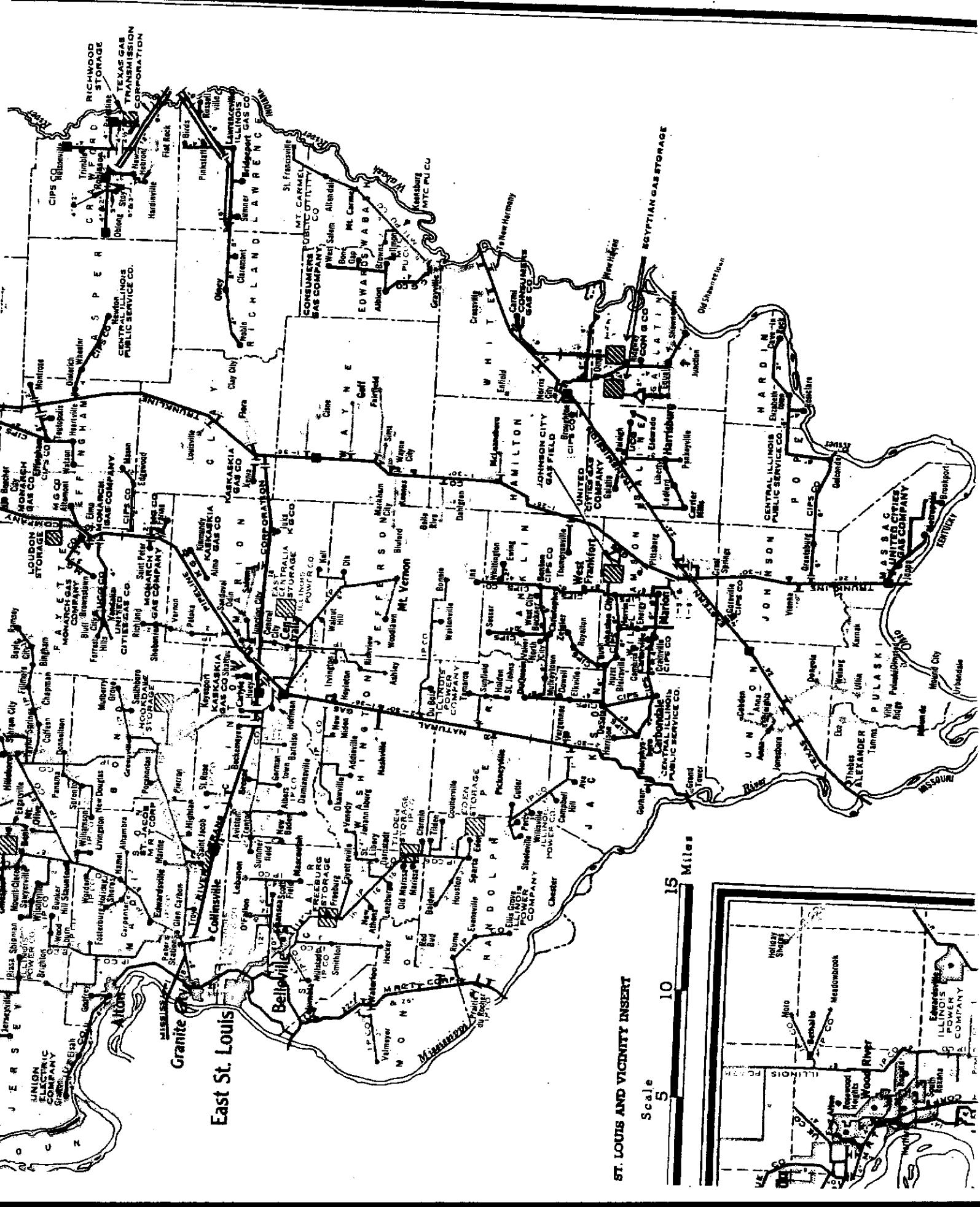
Mt. Carmel Exhibit No. 3.0 Redacted

Witness _____

Date 9/26/02 Reporter BB

DOCKET 070704

ENG 2.01





- ENG 2.4 List the gas volumes actually supplied (in dekatherms) to each of your service territories from each gas source (broken down by pipeline and individually for each leased and owned storage service) for the actual peak day of the reconciliation period. Explain any instances where available gas volumes were abnormally restricted. Also, explain why this mixture of supply resources was required to provide reliable service to customers at the lowest cost.

Peak day, 02 Jan 2001:

Pipeline 4,564 Dthms

Propane-air 0 Dthms

No restrictions

Woodward Marketing	4,564 Dthms	100.0%
Propane-air	0 Dthms	0.0%
Total	4,564 Dthms	100.0%

Woodward Marketing has producing wells, wells under contract, and a gathering system; they offered priority delivery, supplemental transportation, and operational balancing to Mt Carmel at spot and contract prices at the Henry Hub in North LA, effective each month, plus 10 cents/Dthm.

Relative costs of propane and natural gas indicate no advantage for routine use of propane/air as a supplement for the pipeline supply. Propane/air is reserved for emergency supply during casualty periods or during operational flow orders as invoked by the pipeline.

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- ENG 2.5 State the volume of gas storage capability owned, contracted for, leased, etc. by your utility during the reconciliation period.
- A) State how much of the total available gas storage capacity was pipeline storage service, leased storage, and storage facilities owned by your utility.
 - B) For each storage location or service, list the maximum daily deliverability and the expected daily deliverability on a typical peak day.
 - C) For each location or service, provide any injection limitations such as time of year constraints, source of injection gas, etc.
 - D) Explain how your utility determined that the available gas storage was the proper amount needed to ensure reliable service to customers at the lowest cost during the reconciliation period.
 - E) Provide a description of all applicable costs for each leased storage agreement and list the level of those costs (i.e. gas cost, transportation cost, injection/withdrawal cost etc.).
 - F) Provide an explanation of the type of transportation used in conjunction with each leased storage agreement (i.e. is firm transportation necessary for injections, are separate transportation agreements necessary to get withdrawals to city-gate).
 - G) Provide your utility's planned injection and withdrawals levels for each storage facility listed in response to the above questions. If your utility does not maintain a storage injection or withdrawal plan, then fully explain why not and explain how your utility decides when to conduct its storage injections and withdrawals.

0 Dths.

A. N/A.

B. N/A

C. N/A.

D. No storage was contracted for during the 2000-2001 and 2001-2002 heating seasons.

E. None in place. Round trip storage costs offered were 40 cents /Dthm; transportation required a second 19.67 cents/Dthm, and volume delivered from storage would be included in setting a ratcheted demand rate of \$3.839/Dthm/day. In addition, a 2% commodity loss would be assessed against gas going in and again emerging from storage for pipeline use in transportation.

F. N/A

G. N/A

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ENG 2.6 Referring to your Company's response to Staff data request ENG 2.05, provide the daily withdrawal and injection levels for each storage service and/or facility noted for the months of July, August, November and December. If injections were made during the winter months (or withdrawals during the summer months), please explain.

N/A

ENG 2.7 For all propane or LNG facilities, please indicate how quickly, or at what rate, the propane/LNG inventory can be replenished during the winter months? If the replenishment rate changes with the amount of supply in inventory then explain how the rate will change for the different levels of inventory

Propane inventory can be replenished within one day during the winter, unless there is a major cold wave. Our policy has been to postpone replenishment of less than half the storage volume until at least the following April, i.e., to maintain storage at 50 % during the heating season, to keep unit cost down.

ENG 2.8 Provide the last three dates in which the propane and/or LNG facility was required to serve load (other than for testing) on your system. Explain the situation that caused each of these three occurrences and how much load was served by the facility.

The propane facility was last run to serve load on Jan 28, 1997 and March 11 and 12, 1998. Cold weather required supplemental gas both to forestall increased demand charges and to maintain system pressure.

Propane run was 393 Dthms 1/28/97, 2,63.2 Dthms 3/11/98, and 75.2 Dthms 3/12/98. Gas received was 4,661 Dthms 1/28, 3,588 Dthms 3/11/98, and 3,710 Dthms 3/12/98.

Total send out was 5,054 Dthms 1/28/97, 3,851 Dthms 3/11/98, and 3,785 Dthms 3/12/98. Forecast demand was 4,682 Dthms 1/28/98, 4,090 Dthms 3/11/98, and 3,197 Dthms 3/12/98.

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ENG 2.9 Did your Company experience any capacity restrictions with any Company owned facility (transmission, distribution, storage, LNG, LPG, etc.) during the reconciliation period that lasted longer than 24 hours (i.e. problems with a well at a storage field that limited that field's injection or withdrawal ability). If yes, then provide the following:

- A) A description of the cause of the restriction;
- B) How the restriction impacted your Company (quantify restriction);
- C) Date that the restriction occurred;
- D) Date that the restriction was resolved
- E) A description of how the restriction was resolved; and
- F) A copy of any studies (internal and external) that reviewed the cause of the restriction.

No.

ENG 2.10 How frequently does your utility test the operation of its propane or LNG facilities? Fully describe what is done during these tests and note what, if anything needed repaired at each facility during the reconciliation period.

The equipment is started up each Fall, both to check for mechanical integrity and to refresh operators' skills in operation. If a major cold snap is forecast, where system demand might exceed supply, the facility is started up, run for a short period of time to verify proper working, and then kept on standby with an operator on duty during the cold episode.

No repairs were required in 2001.

ENG 2.11 Provide the monthly peak day gas sendout for your entire gas system and for each of the service territories during the reconciliation period. Provide the dates for these peak days. If the peak day for each territory is not the same as the peak day for the entire system, then provide the sendout for each service territory on the system peak day.

The peak day send-out for each month is shown in an attached spreadsheet, in bold face, in the total receipt column.

The annual peak-day send-out occurred on January 2, 2001.

MT CARMEL PUBLIC UTILITY Co
HEATING and COOLING DEGREE DAYS CALCULATIONS
JANUARY 2001

06-Mar-02

09:48 AM

Day	Temp High	Low	Degree Days Htg Clg	GAS			ELECTRIC									
				Calc Demand		Supplent Gas	(Over) Under	Total Receipt	Pipeline Receipt	BTU	% Act'l / Calc	Demand Kw	Energy Kwh			
				PROPANE	WOODWARD	STORAGE	TRI-STATE									
1	23	0	53.5	0	4510	0	3030	0	1344	4374	4374	1030	-3%	20700	375000	
2	20	4	53	0	4468	0	3030	0	1534	4564	4564	1031	2%	27800	448000	
3	28	10	46	0	3878	0	3030	0	1165	4195	4195	1033	8%	23500	454000	
4	36	15	39.5	0	3330	0	3030	0	348	3378	3378	1017	1%	23000	442000	
5	44	17	34.5	0	2908	0	3030	0	-121	2909	2909	1020	0%	21200	405000	
6	45	21	32	0	2698	0	3030	0	-312	2718	2718	1022	1%	16600	329000	
7	46	22	31	0	2613	0	3030	0	-345	2685	2685	1022	3%	20300	346000	
8	31	12	43.5	0	3667	0	3030	0	627	3657	3657	1027	-0%	23200	449000	
9	32	13	42.5	0	3583	0	3030	0	732	3762	3762	1031	5%	22800	449000	
10	42	21	33.5	0	2824	0	3030	0	148	3178	3178	1036	13%	22300	437000	
11	39	20	35.5	0	2993	0	3030	0	-37	2993	2993	1029	0%	22400	441000	
12	41	29	30	0	2529	0	3030	0	-408	2622	2622	1032	4%	21700	412000	
13	49	32	24.5	0	2065	0	3030	0	-496	2534	2534	1031	23%	19700	353000	
14	46	32	26	0	2192	0	3030	0	-828	2202	2202	1027	0%	19300	334000	
15	44	30	28	0	2360	0	3030	0	-525	2505	2505	1030	6%	20900	406000	
16	37	23	35	0	2951	0	3030	0	-174	2856	2856	1032	-3%	21500	425000	
17	35	25	35	0	2951	0	3030	0	-118	2912	2912	1033	-1%	22400	418000	
18	46	27	28.5	0	2403	0	3030	0	-472	2558	2558	1034	6%	21400	413000	
19	37	19	37	0	3119	0	3030	0	116	3146	3146	1036	1%	21300	406000	
20	31	15	42	0	3541	0	3030	0	566	3596	3596	1037	2%	19200	370000	
21	39	18	36.5	0	3077	0	3030	0	118	3148	3148	1036	2%	20300	358000	
22	46	24	30	0	2529	0	3030	0	-258	2772	2772	1036	10%	21100	413000	
23	46	21	31.5	0	2655	0	3030	0	-315	2715	2715	1033	2%	21000	413000	
24	44	14	36	0	3035	0	3030	0	136	3166	3166	1037	4%	21700	430000	
25	39	21	35	0	2951	0	3030	0	228	3258	3258	1031	10%	21600	430000	
26	45	20	32.5	0	2740	0	3030	0	100	3130	3130	1030	14%	22100	422000	
27	36	22	36	0	3035	0	3030	0	53	3083	3083	1030	2%	19700	365000	
28	43	27	30	0	2529	0	3030	0	-270	2760	2760	1033	9%	19400	353000	
54	54	36	20	0	1686	0	3030	0	-1002	2028	2028	1033	20%	20500	405000	
30	46	33	25.5	0	2150	0	3030	0	-637	2393	2393	1033	11%	20900	425000	
31	40	24	33	0	2739	0	3030	0	-184	2846	2846	1034	4%	21400	425000	
Total				1230	647	1076.5	0	90706	0	93930	0	713	94643	94643	4%	1064948
				Max d-c		53.5	0.0								36534	
				TOTAL PIPELINE RECEIPT TRU-UP FIGURE CORRECTED RCTS=> SPOT MKT GAS								94643	94643	Tot. Energy	13652482	
				Dthms/dday								1151		Max. Daily Dmd.	27800	
				AVG. TEMP. Max Heating								94643	95794	Max. Sys. Dmd.	27800	
				87.9								4564	4564	Min. Dmd	16600	
				Pkt del'y								94643	4564	Tot. Dmd	20683200	
				Sys. Load Factor											66.01%	

MT CARMEL PUBLIC UTILITY Co
HEATING and COOLING DEGREE DAYS CALCULATIONS
FEBRUARY 2001

06-Mar-02 09:48 AM

FEBRUARY 2001													ELECTRIC			
Day	Temp High	Temp Low	Degree Days		<==<== ==<==<== ==>==>==>			GAS		>>=>>=> >>=>>			% Act'l / Calc	Demand Kw	Energy Kwh	
			Htg	Clg	Calc Demar	Supplmnt Gas		PROPSANE	WOODWARD	STORAGE	TRI-STATE		(Over) Under	Total Receipt	Pipeline Receipt	BTU
1	45	7	39	0	3288	0	2785	0	0	53	2838	2838	1035	-14%	21100	413000
2	21	9	50	0	4215	0	2785	0	0	1351	4136	4136	1034	-2%	22700	418000
3	44	25	30.5	0	2571	0	2785	0	0	131	2916	2916	1034	13%	16600	329000
4	54	28	24	0	2023	0	2785	0	0	-566	2219	2219	1031	10%	19300	334000
5	44	28	29	0	2445	0	2785	0	0	-38	2747	2747	1033	12%	21200	425000
6	53	27	25	0	2108	0	2785	0	0	-568	2217	2217	1033	5%	20200	393000
7	59	29	21	0	1770	0	2785	0	0	-1155	1630	1630	1033	-8%	19900	394000
8	63	37	15	0	1265	0	2785	0	0	-1623	1162	1162	1033	-8%	19500	382000
9	63	11	28	0	2360	0	2785	0	0	-730	2055	2055	1033	-13%	23400	336000
10	35	19	38	0	3203	0	2785	0	0	356	3141	3141	1037	-2%	16200	329000
11	37	21	36	0	3035	0	2785	0	0	1	2786	2786	1036	-8%	19500	346000
12	44	40	23	0	1939	0	2785	0	0	-452	2333	2333	1031	20%	20400	393000
13	54	39	18.5	0	1560	0	2785	0	0	-1041	1744	1744	1028	12%	20000	389000
14	59	36	17.5	0	1475	0	2785	0	0	-1393	1392	1392	1025	-6%	19800	382000
15	43	35	26	0	2192	0	2785	0	0	-603	2182	2182	1025	-0%	20700	400000
16	39	16	37.5	0	3161	0	2785	0	0	426	3211	3211	1025	2%	21000	393000
17	30	15	42.5	0	3583	0	2785	0	0	756	3541	3541	1025	-1%	16700	334000
18	38	19	36.5	0	3077	0	2785	0	0	88	2853	2853	1023	-7%	19200	346000
19	58	28	22	0	1855	0	2785	0	0	-910	1875	1875	1027	1%	19900	375000
20	60	23	23.5	0	1981	0	2785	0	0	-836	1949	1949	1032	-2%	20000	375000
21	40	25	32.5	0	2740	0	2785	0	0	165	2950	2950	1034	8%	21300	413000
22	34	27	34.5	0	2908	0	2785	0	0	302	3087	3087	1035	6%	21600	430000
23	49	28	26.5	0	2234	0	2785	0	0	-229	2556	2556	1034	14%	20500	374000
24	66	42	11	0	927	0	2785	0	0	-1589	1196	1196	1033	29%	14600	285000
25	54	20	28	0	2360	0	2785	0	0	-916	1869	1869	1031	-21%	18300	314000
26	53	34	21.5	0	1812	0	2785	0	0	-919	1866	1866	1032	3%	20000	382000
27	46	25	29.5	0	2487	0	2785	0	0	-156	2629	2629	1033	6%	20700	400000
28	41	22	33.5	0	2824	0	2785	0	0	72	2857	2857	1036	1%	21100	417000
65	65	0	0	234						0	1039	1039	1039	-100%		
65	65	0	0	234						0	1039	1039	1039	-100%		
65	65	0	0	234						0	1039	1039	1039	-100%		

Cal Wash
Ax Mine #5

Total 1521 910 799.5 0 68100 0 77980 0 0 -10043 67937 67937 -0%
Max d-c 50.0 0.0 Avg. Btu 1031.7

TOTAL PIPELINE RECEIPT

TRU-UP FIGURE

CORRECTED RCTS=>

SPOT MKT GAS

Tot. Energy 11355722

Max. Daily Dmd. 23400

Max. Sys. Dmd.

Min. Dmd 14600

Tot. Dmd 15724800

Load Factor 72.22%

Sys. Load Factor 72.22%

MT CARMEL PUBLIC UTILITY Co
HEATING and COOLING DEGREE DAYS CALCULATIONS
MARCH 2001

06-Mar-02 09:48 AM

Day	Temp High	Temp Low	Degree Days Htg Clg	GAS			ELECTRIC								
				Calc Demar	Supplmnt Gas	PROPANE WOODWARD STORAGE TRI-STATE	(Over) Under		Total Receipt	Pipeline Receipt	BTU	% Act'l / Calc	Demand Kw	Energy Kwh	
							(Over)	(Under)	BTU	BTU	BTU	BTU	BTU	BTU	
1	42	28	30	0	2529	0	1900	0	372	2272	2272	1031	-10%	20900	405000
2	43	33	27	0	2276	0	1900	0	319	2219	2219	1029	-3%	20200	370000
3	49	36	22.5	0	1897	0	1900	0	-115	1785	1785	1029	-6%	14800	293000
4	46	24	30	0	2529	0	1900	0	711	2611	2611	1027	3%	19200	341000
5	42	21	33.5	0	2824	0	1900	0	1182	3082	3082	1028	9%	21200	425000
6	24	23	41.5	0	3498	0	1900	0	458	2358	2358	1030	-33%	20900	412000
7	51	27	26	0	2192	0	1900	0	435	2335	2335	1026	7%	20100	401000
8	51	23	28	0	2360	0	1900	0	637	2537	2537	1027	7%	20700	405000
9	46	22	31	0	2613	0	1900	0	662	2562	2562	1028	-2%	19700	370000
10	55	35	20	0	1686	0	1900	0	-52	1848	1848	1028	10%	14800	298000
11	64	38	14	0	1180	0	1900	0	-664	1236	1236	1029	5%	18200	295000
12	57	34	19.5	0	1644	0	1900	0	-351	1549	1549	1027	-6%	19400	375000
13	60	28	21	0	1770	0	1900	0	-160	1740	1740	1029	-2%	19500	375000
14	63	43	12	0	1012	0	1900	0	-624	1276	1276	1028	26%	18900	370000
15	58	43	14.5	0	1222	0	1900	0	-531	1369	1369	1028	12%	19400	382000
16	50	32	24	0	2023	0	1900	0	236	2136	2136	1033	6%	19900	370000
17	50	23	28.5	0	2403	0	1900	0	718	2618	2618	1028	9%	15200	310000
18	53	28	24.5	0	2065	0	1900	0	180	2080	2080	1032	1%	18600	314000
19	54	35	20.5	0	1728	0	1900	0	39	1939	1939	1027	12%	19900	375000
20	58	40	16	0	1349	0	1900	0	-222	1678	1678	1027	24%	19500	375000
21	65	30	17.5	0	1475	0	1900	0	-546	1354	1354	1028	-8%	18700	382000
22	62	33	17.5	0	1475	0	1900	0	-457	1443	1443	1028	-2%	19300	382000
23	66	34	15	0	1265	0	1900	0	-794	1106	1106	1023	-13%	18600	331000
24	46	20	32	0	2698	0	1900	0	424	2324	2324	1023	-14%	14600	306000
25	40	17	36.5	0	3077	0	1900	0	1071	2971	2971	1023	-3%	19000	339000
26	39	21	35	0	2951	0	1900	0	1024	2924	2924	1017	-1%	20700	410000
27	51	24	27.5	0	2318	0	1900	0	421	2321	2321	1019	0%	19600	386000
28	56	37	18.5	0	1560	0	1900	0	-121	1779	1779	1020	14%	19400	375000
29	55	38	18.5	0	1560	0	1900	0	-289	1611	1611	1019	3%	19200	370000
30	54	40	18	0	1517	0	1900	0	-387	1513	1513	1023	-0%	19200	351000
31	60	30	20	0	1752	0	1900	0	-493	1407	1407	1023	-20%	13900	285000
Total				1610	940	740	0	62448	0	58900	0	0	-1%		
				Max d-c		41.5	0.0		3083	61983	61983			819929	
				Avg. Btu										44394	
				Dthms/dday											
				CORRECTED RCTS=>											
				SPOT MKT GAS											
				TOTAL PIPELINE RECEIPT					61983	61983					
				TRU-UP FIGURE											
				CORRECTED RCTS=>					61983	61983					
				SPOT MKT GAS											
				Tot. Energy											
				Max. Daily Dmd.											
				Max. Sys. Dmd.											
				Min. Dmd											
				Tot. Dmd											
				Sys. Load Factor											
				76.35%											

MT CARMEL PUBLIC UTILITY Co
HEATING and COOLING DEGREE DAYS CALCULATIONS
APRIL 2001

06-Mar-02 09:48 AM

FIRE ELEC												ELECTRIC				
Day	Temp High	Low	Degree Htg	Days Cdg	GAS			>>>>> Pipeline Receipt				% Act'l / Calc	Demand Kw	Energy Kwh		
					Calc Demar	Supplmnt Gas	(Over) Under	Total Receipt	BTU							
					PROPANE	WOODWARD	STORAGE	TRI-STATE								
1	56	36	19	0	1602	0	1167	0	0	333	1500	1500	1024	-6%	15500	285000
2	66	47	9	0	759	0	1167	0	0	-88	1079	1079	1023	42%	18200	334000
3	63	41	13	0	1096	0	1167	0	0	-177	990	990	1018	-10%	19300	370000
4	70	45	7.5	0	632	0	1167	0	0	-292	875	875	1017	38%	18800	338000
5	80	54	0	2	234	0	1167	0	0	-645	522	522	1021	123%	18600	358000
6	84	61	0	7.5	234	0	1167	0	0	-796	371	371	1021	59%	19300	346000
7	86	65	0	10.5	234	0	1167	0	0	-819	348	348	1018	49%	14900	293000
8	84	64	0	9	234	0	1167	0	0	-767	400	400	1018	71%	19400	318000
9	86	60	0	8	234	0	1167	0	0	-855	312	312	1022	33%	22200	424000
10	83	66	0	9.5	234	0	1167	0	0	-853	314	314	1017	34%	20700	377000
11	85	58	0	6.5	234	0	1167	0	0	-812	355	355	1015	52%	21000	401000
12	76	57	0	1.5	234	0	1167	0	0	-804	363	363	1020	55%	17100	322000
13	72	49	4.5	0	379	0	1167	0	0	-774	393	393	1023	4%	20400	297000
14	81	54	0	2.5	234	0	1167	0	0	-789	378	378	1022	62%	13700	266000
15	66	37	13.5	0	1138	0	1167	0	0	-555	612	612	1019	-46%	17300	290000
16	55	30	22.5	0	1897	0	1167	0	0	391	1558	1558	1021	-18%	19200	382000
17	51	26	26.5	0	2234	0	1167	0	0	1033	2200	2200	1024	-2%	20100	401000
18	61	40	14.5	0	1222	0	1167	0	0	221	1388	1388	1023	14%	19300	382000
19	73	48	4.5	0	379	0	1167	0	0	-453	714	714	1018	88%	18800	358000
20	76	40	7	0	590	0	1167	0	0	-699	468	468	1013	-21%	18400	334000
21	77	57	0	2	234	0	1167	0	0	-761	406	406	1014	74%	13700	268000
22	83	60	0	6.5	234	0	1167	0	0	-761	406	406	1013	74%	19100	317000
23	79	39	6	0	506	0	1167	0	0	-596	571	571	1012	13%	20200	389000
24	66	37	13.5	0	1138	0	1167	0	0	-305	862	862	1014	-24%	18800	370000
25	67	40	11.5	0	969	0	1167	0	0	-305	862	862	1017	-11%	18500	358000
26	76	54	0	0	234	0	1167	0	0	-632	535	535	1017	129%	18800	358000
27	83	50	0	1.5	234	0	1167	0	0	-762	405	405	1018	73%	18400	327000
28	78	37	7.5	0	632	0	1167	0	0	-754	413	413	1016	-35%	13300	261000
29	80	47	1.5	0	126	0	1167	0	0	-729	438	438	1019	246%	17500	292000
30	88	62	0	10	234	0	1167	0	0	-805	362	362	1020	55%	20500	389000
	65	0	0	0	234					0				-100%		

Total	2295	1526	181.5	77	18810	0	35010	0	0	-14610	20400	20400	8%	Cal Wash ax Mine #5	569081 38564
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TOTAL PIPELINE RECEIPT

TOTAL FRENCH REGIMENTAL FIGURE

PROOF PAGES
CORRECTED RCTS=>

CORRECTED TO SPOT MKT GAS

204001 204001

-120

-125

20400 2200 2200 Pk del'v

Tot_Energy 10812645

Ex. Daily Dmd 22200

Ex. Daily Dmd. 22200
Ex Sys Dmd 22200

X. Sys. Dmd. 22200
Mia. Dmd 13300

Sys. Load Factor 67.65%

MT CARMEL PUBLIC UTILITY CO
HEATING and COOLING DEGREE DAYS CALCULATIONS
MAY 2001

06-Mar-02 09:48 AM

**TOTAL PIPELINE RECEIPT
TRU-UP FIGURE
CORRECTED RCTS=>
SPOT MKT GAS**

11142	11142		Tot. Energy	11790688
360			Max. Daily Dmd.	26900
11142	11502		Max. Sys. Dmd.	26900
11142	562	562	Min. Dmd	11700
Pk dely				

Sys. Load Factor

MT CARMEL PUBLIC UTILITY Co
HEATING and COOLING DEGREE DAYS CALCULATIONS
JUNE 2001

06-Mar-02 09:48 AM

Day	Temp High	Temp Low	Degree Days Htg	Degree Days Cdg	GAS			ELECTRIC								
					Calc Demar	Supplmt Gas	PROPANE WOODWARD STORAGE TRI-STATE	(Over) Under		Total Receipt	Pipeline Receipt	% Act'l / Calc	Demand Kw	Energy Kwh		
								(Over)	(Under)	BTU						
1	69	51	5	0	680	0	400	0	0	-10	390	390	1013	-43%	16500	334000
2	73	48	4.5	0	642	0	400	0	0	-20	380	380	1015	-41%	13500	261000
3	70	56	2	0	452	0	400	0	0	-28	372	372	1017	-18%	17100	285000
4	72	56	1	0	376	0	400	0	0	-23	377	377	1017	0%	18900	365000
5	88	63	0	10.5	300	0	400	0	0	-68	332	332	1016	11%	22800	407000
6	85	65	0	10	300	0	400	0	0	-68	332	332	1015	11%	24800	445000
7	84	58	0	6	300	0	400	0	0	-69	331	331	1013	10%	24400	452000
8	82	55	0	3.5	300	0	400	0	0	-77	323	323	1018	8%	22600	400000
9	83	59	0	6	300	0	400	0	0	-105	295	295	1017	-2%	20300	348000
10	86	65	0	10.5	300	0	400	0	0	-119	281	281	1019	-6%	21400	372000
11	92	68	0	15	300	0	400	0	0	-102	298	298	1019	-1%	28000	504000
12	93	68	0	15.5	300	0	400	0	0	-105	295	295	1018	-2%	29300	515000
13	93	69	0	16	300	0	400	0	0	-101	299	299	1019	-0%	30500	554000
14	95	74	0	19.5	300	0	400	0	0	-98	302	302	1021	1%	30500	567000
15	86	67	0	11.5	300	0	400	0	0	-89	311	311	1022	4%	26300	468000
16	90	64	0	12	300	0	400	0	0	-115	285	285	1022	-5%	23700	396000
17	92	68	0	15	300	0	400	0	0	-110	290	290	1022	-3%	24500	425000
18	95	68	0	16.5	300	0	400	0	0	-85	315	315	1023	5%	29700	535000
19	94	62	0	13	300	0	400	0	0	-92	308	308	1024	3%	30000	535000
20	85	65	0	10	300	0	400	0	0	-97	303	303	1021	1%	26700	475000
21	77	54	0	0.5	300	0	400	0	0	-82	318	318	1019	6%	22200	395000
22	79	56	0	2.5	300	0	400	0	0	-101	299	299	1023	-0%	20500	370000
23	80	54	0	2	300	0	400	0	0	-112	288	288	1021	-4%	16000	305000
24	84	58	0	6	300	0	400	0	0	-94	306	306	1012	2%	17400	329000
25	85	58	0	6.5	300	0	400	0	0	-83	317	317	1010	6%	22200	402000
26	82	62	0	7	300	0	400	0	0	-87	313	313	1010	4%	19200	361000
27	84	60	0	7	300	0	400	0	0	-72	328	328	1007	9%	21800	385000
28	87	63	0	10	300	0	400	0	0	-104	296	296	1007	-1%	22500	413000
29	88	65	0	11.5	300	0	400	0	0	-167	233	233	1007	-22%	22500	403000
30	89	65	0	12	300	0	400	0	0	-177	223	223	1005	-26%	20600	352000
31	65	65	0	0	300					0			-100%			
Total Wash ax Mine #5												483123				
												41910				
Avg. Temp.												-9%				
Tot. Energy												12883033				
Max. Daily Dmd.												30500				
Max. Sys. Dmd.												30500				
Min. Dmd.												13500				
Tot. Dmd												21960000				
Sys. Load Fct												58.67%				
TOTAL PIPELINE RECEIPT																
TRU-UP FIGURE																
CORRECTED RCTS=>																
SPOT MKT GAS																
9340																
9340																
148																
9340																
9488																
9340																
390																
390																
Pk dely																

MT CARMEL PUBLIC UTILITY Co
HEATING and COOLING DEGREE DAYS CALCULATIONS
JULY 2001

06-Mar-02 09:48 AM

Day	Temp High	Temp Low	Degree Days Htg	Cdg	GAS			ELECTRIC			% Act'l / Calc	Demand Kw	Energy Kwh			
					Calc Demar	Supplmnt Gas	(Over) Under	Total Receipt	Pipeline Receipt	BTU						
					PROPANE	WOODWARD	STORAGE	TRI-STATE								
1	88	51	0	4.5	300	0	355	0	0	-101	254	254	1018	-15%	20300	352000
2	81	55	0	3	300	0	355	0	0	-104	251	251	1013	-16%	18100	319000
3	92	66	0	14	300	0	355	0	0	-101	254	254	1016	-15%	22000	368000
4	89	66	0	12.5	300	0	355	0	0	-86	269	269	1024	-10%	21100	382000
5	89	51	0	5	300	0	355	0	0	-75	280	280	1024	-7%	22200	396000
6	86	61	0	8.5	300	0	355	0	0	-101	254	254	1019	-15%	18700	335000
7	95	67	0	16	300	0	355	0	0	-104	251	251	1017	-16%	23700	436000
8	96	70	0	18	300	0	355	0	0	-73	282	282	1017	-6%	28200	493000
9	89	69	0	14	300	0	355	0	0	-48	307	307	1017	2%	28800	528000
10	94	70	0	17	300	0	355	0	0	-52	303	303	1012	1%	31100	571000
11	84	58	0	6	300	0	355	0	0	-56	299	299	1007	-0%	27000	487000
12	76	65	0	5.5	300	0	355	0	0	-36	319	319	1007	6%	20800	398000
13	84	54	0	4	300	0	355	0	0	-50	305	305	1018	2%	22600	400000
14	84	58	0	6	300	0	355	0	0	-62	293	293	1023	-2%	18500	343000
15	87	61	0	9	300	0	355	0	0	-65	290	290	1030	-3%	22300	384000
16	90	71	0	15.5	300	0	355	0	0	-63	292	292	1022	-3%	27300	504000
17	93	68	0	15.5	300	0	355	0	0	-54	301	301	1018	0%	30100	547000
18	84	66	0	10	300	0	355	0	0	-57	298	298	1017	-1%	26500	475000
19	85	69	0	12	300	0	355	0	0	-56	299	299	1016	-0%	26400	499000
20	90	69	0	14.5	300	0	355	0	0	-65	290	290	1013	-3%	28600	516000
21	92	73	0	17.5	300	0	355	0	0	-87	268	268	1014	-11%	27600	499000
22	93	72	0	17.5	300	0	355	0	0	-89	266	266	1016	-11%	27200	467000
23	95	72	0	18.5	300	0	355	0	0	-55	300	300	1014	0%	31400	574000
24	91	72	0	16.5	300	0	355	0	0	-59	296	296	1015	-1%	30800	579000
25	93	72	0	17.5	300	0	355	0	0	-72	283	283	1013	-6%	31300	584000
26	88	67	0	12.5	300	0	355	0	0	-53	302	302	1013	1%	27700	499000
27	80	67	0	8.5	300	0	355	0	0	-66	289	289	1012	-4%	23600	445000
28	87	69	0	13	300	0	355	0	0	-101	254	254	1018	-15%	24300	427000
29	88	70	0	14	300	0	355	0	0	-78	277	277	1016	-8%	25900	455000
30	93	69	0	16	300	0	355	0	0	-51	304	304	1016	1%	31000	567000
31	95	70	0	17.5	300	0	355	0	0	-56	299	299	1020	-0%	31300	574000
Total 2751 2038 0 379.5 9300 0 11005 0 0 -2176 8829 8829 -5% bal Wash Max d-c 0.0 18.5 Dthms/dday ax Mine #5 511735														65279		
TOTAL PIPELINE RECEIPT 8829 8829 TRU-UP FIGURE 321 CORRECTED RCTS=> 8829 9150 SPOT MKT GAS 8829 319 Pk del'y Tot. Energy 14978014 Max. Daily Dmd. 34100 Max. Sys. Dmd. 34100 Min. Dmd 18100 Tot. Dmd 25370400																
AVG. TEMP. 77.2 Sys. Load Factor 59.04% Max Heating 0																

MT CARMEL PUBLIC UTILITY Co
HEATING and COOLING DEGREE DAYS CALCULATIONS
AUGUST 2001

06-Mar-02 09:48 AM

Day	Temp High	Temp Low	Degree Days	GAS			ELECTRIC			% Act'l / Calc	Demand Kw	Energy Kwh				
							(Over) Under	Total Receipt	Pipeline Receipt							
				Calc Demar	Supplement Gas	PROPROPANE WOODWARD STORAGE TRI-STATE										
1	94	72	0	18	300	0	355	0	0	-56	299	299	1022	-0%	31700	579000
2	94	70	0	17	300	0	355	0	0	-69	286	286	1025	-5%	31600	579000
3	91	67	0	14	300	0	355	0	0	-67	288	288	1022	-4%	29400	534000
4	90	65	0	12.5	300	0	355	0	0	-83	272	272	1019	-9%	24500	447000
5	84	67	0	10.5	300	0	355	0	0	-71	284	284	1018	-5%	26300	463000
6	92	70	0	16	300	0	355	0	0	-57	298	298	1022	-1%	30700	571000
7	94	72	0	18	300	0	355	0	0	-54	301	301	1025	0%	32100	586000
8	93	73	0	18	300	0	355	0	0	-75	280	280	1027	-7%	32600	586000
9	94	68	0	16	300	0	355	0	0	-62	293	293	1026	-2%	32400	591000
10	88	65	0	11.5	300	0	355	0	0	-65	290	290	1027	-3%	31000	550000
11	84	62	0	8	300	0	355	0	0	-77	278	278	1027	-7%	23700	422000
12	88	62	0	10	300	0	355	0	0	-69	286	286	1027	-5%	24900	427000
13	91	55	0	8	300	0	355	0	0	-44	311	311	1022	4%	29000	487000
14	84	58	0	6	300	0	355	0	0	-44	311	311	1023	4%	24500	438000
15	88	66	0	12	300	0	355	0	0	-56	299	299	1025	-0%	26100	475000
16	80	58	0	4	300	0	355	0	0	-46	309	309	1024	3%	23400	432000
17	88	66	0	12	300	0	355	0	0	-88	267	267	1024	-11%	25300	462000
18	90	60	0	10	300	0	355	0	0	-94	261	261	1024	-13%	24800	420000
19	80	56	0	3	300	0	355	0	0	-65	290	290	1023	-3%	20700	353000
20	85	57	0	6	300	0	355	0	0	-44	311	311	1017	4%	24800	440000
21	86	67	0	11.5	300	0	355	0	0	-45	310	310	1020	3%	24600	459000
22	95	66	0	15.5	300	0	355	0	0	-56	299	299	1020	-0%	31600	567000
23	89	66	0	12.5	300	0	355	0	0	-48	307	307	1023	2%	28300	518000
24	79	65	0	11.5	300	0	355	0	0	-72	283	283	1023	-6%	23100	435000
25	89	66	0	12.5	300	0	355	0	0	-82	273	273	1017	-9%	21600	375000
26	88	63	0	10.5	300	0	355	0	0	-54	301	301	1020	0%	24000	420000
27	88	64	0	11	300	0	355	0	0	-51	304	304	1025	1%	27000	489000
28	91	65	0	13	300	0	355	0	0	-47	308	308	1020	3%	29400	525000
29	91	66	0	13.5	300	0	355	0	0	-39	316	316	1024	5%	29800	538000
30	91	68	0	14.5	300	0	355	0	0	-47	308	308	1025	3%	29600	538000
31	84	58	0	6	300	0	355	0	0	-86	269	269	1023	-10%	25200	432000
Total							Cal Wash ex Mine #5				9092	9092	602424			
													83707			
							Avg. Btu			-2%						
							9092									
							TOTAL PIPELINE RECEIPT									
							TRU-UP FIGURE									
							CORRECTED RCTS=>									
							SPOT MKT GAS									
							9092									
							9393									
							Pk dely									

**MT CARMEL PUBLIC UTILITY CO
HEATING and COOLING DEGREE DAYS CALCULATIONS
SEPTEMBER 2001**

06-Mar-02 09:48 AM

CENTRAL ENERGY INC.															ELECTRIC		
Day	Temp High	Temp Low	Degree Days		Calc Demar		Supplmnt Gas		GAS			>=>>=> <=>=>			% Act'l / Calc	Demand Kw	Energy Kwh
			Htg	Clg	PROPANE	WOODWARD	STORAGE	TRI-STATE	(Over) Under	Total Receipt	Pipeline Receipt	BTU					
1	87	57	0	7	234	0	467	0	0	-187	280	280	1010	20%	18000	341000	
2	87	62	0	9.5	234	0	467	0	0	-190	277	277	1018	18%	18300	346000	
3	88	65	0	11.5	234	0	467	0	0	-167	300	300	1023	28%	23400	420000	
4	94	65	0	14.5	234	0	467	0	0	-105	362	362	1019	55%	29400	523000	
5	92	64	0	13	234	0	467	0	0	-110	357	357	1020	53%	29200	518000	
6	93	69	0	16	234	0	467	0	0	-166	301	301	1026	29%	29100	511000	
7	91	66	0	13.5	234	0	467	0	0	-165	302	302	1029	29%	28600	475000	
8	87	64	0	10.5	234	0	467	0	0	-225	242	242	1027	3%	23400	432000	
9	82	49	0	0.5	234	0	467	0	0	-206	261	261	1025	12%	21400	365000	
10	80	52	0	1	234	0	467	0	0	-131	336	336	1023	44%	21500	405000	
11	82	53	0	2.5	234	0	467	0	0	-120	347	347	1023	48%	22500	417000	
12	86	54	0	5	234	0	467	0	0	-101	366	366	1017	56%	23500	437000	
13	89	53	0	6	234	0	467	0	0	-127	340	340	1013	45%	24600	456000	
14	74	45	5.5	0	464	0	467	0	0	19	486	486	1013	5%	19500	363000	
15	76	48	3	0	253	0	467	0	0	-70	397	397	1013	57%	14600	285000	
16	81	58	0	4.5	234	0	467	0	0	-148	319	319	1014	38%	19100	306000	
17	85	63	0	9	234	0	467	0	0	-152	315	315	1016	35%	20700	376000	
18	82	55	0	3.5	234	0	467	0	0	-143	324	324	1023	38%	22300	424000	
19	76	57	0	1.5	234	0	467	0	0	-123	344	344	1018	47%	20600	400000	
20	82	57	0	4.5	234	0	467	0	0	-97	370	370	1017	58%	21200	446000	
21	86	54	0	5	234	0	467	0	0	-123	344	344	1020	47%	21300	405000	
22	82	54	0	3	234	0	467	0	0	-130	337	337	1030	44%	19400	431000	
23	86	50	0	3	234	0	467	0	0	-156	311	311	1030	33%	19900	345000	
24	66	37	13.5	0	1138	0	467	0	0	105	572	572	1029	-50%	19400	381000	
25	65	34	15.5	0	1307	0	467	0	0	294	761	761	1026	-42%	18900	375000	
26	74	40	8	0	674	0	467	0	0	128	595	595	1020	-12%	18900	382000	
27	79	42	4.5	0	379	0	467	0	0	-14	453	453	1024	19%	19500	377000	
28	70	42	9	0	759	0	467	0	0	70	537	537	1028	-29%	17900	339000	
29	73	41	8	0	674	0	467	0	0	-1	466	466	1031	-31%	13700	273000	
30	75	42	6.5	0	548	0	467	0	0	2	469	469	1032	-14%	18000	309000	
31	65	65	0	0	234						0			-100%			

Total Wash
ax Mine #5 541210
100320

**TOTAL PIPELINE RECEIPT
TRU-UP FIGURE
CORRECTED RCTS=>
SPOT MKT GAS**

Tot. Energy	1.3E+007
Max. Daily Dmd.	29400
Max. Sys. Dmd.	29400
Min. Dmd	14900
Tot. Dmd	2.1E+007

Sys. Load Factor 59.07%

MT CARMEL PUBLIC UTILITY CO
HEATING and COOLING DEGREE DAYS CALCULATIONS
OCTOBER 2001

06-Mar-02 09:48 AM

OCTOBER 2001											ELECTRIC					
Day	Temp High	Temp Low	Degree Days		Calc Demar	Supplmnt Gas		GAS			>>>> ==>>			% Act'l / Calc	Demand Kw	Energy Kwh
			Htg	Cdg		PROPANE	WOODWARD	STORAGE	TRI-STATE		(Over) Under	Total Receipt	Pipeline Receipt	BTU		
1	82	49	0	0.5	234	0	1000	0	0	-550	450	450	1023	92%	19300	377000
2	85	53	0	4	234	0	1000	0	0	-626	374	374	1025	60%	18300	377000
3	83	53	0	3	234	0	1000	0	0	-650	350	350	1023	50%	20100	401000
4	83	57	0	5	234	0	1000	0	0	-662	338	338	1024	44%	20000	389000
5	83	57	0	5	234	0	1000	0	0	-556	444	444	1026	90%	19300	353000
6	67	34	14.5	0	1222	0	1000	0	0	-168	832	832	1030	-32%	13500	273000
7	67	40	11.5	0	969	0	1000	0	0	-187	813	813	1028	-16%	17400	285000
8	72	37	10.5	0	885	0	1000	0	0	-254	746	746	1027	-16%	18900	370000
9	73	52	2.5	0	211	0	1000	0	0	-488	512	512	1028	143%	19000	377000
10	70	54	3	0	253	0	1000	0	0	-554	446	446	1031	76%	18900	372000
11	68	57	2.5	0	211	0	1000	0	0	-596	404	404	1028	92%	19000	372000
12	74	55	0.5	0	42	0	1000	0	0	-626	374	374	1027	787%	18500	346000
13	71	50	4.5	0	379	0	1000	0	0	-657	343	343	1027	-10%	14600	280000
14	68	39	11.5	0	969	0	1000	0	0	-592	408	408	1027	-58%	17800	285000
15	69	35	13	0	1096	0	1000	0	0	-277	723	723	1032	-34%	19100	370000
16	55	30	22.5	0	1897	0	1000	0	0	273	1273	1273	1029	-33%	19900	401000
17	59	34	18.5	0	1560	0	1000	0	0	411	1411	1411	1023	-10%	19500	401000
18	63	40	13.5	0	1138	0	1000	0	0	175	1175	1175	1024	3%	19700	382000
19	70	45	7.5	0	632	0	1000	0	0	-213	787	787	1026	24%	18700	370000
20	78	51	0.5	0	42	0	1000	0	0	-459	541	541	1016	1184%	16600	309000
21	79	50	0.5	0	42	0	1000	0	0	-625	375	375	1017	790%	18000	309000
22	76	53	0.5	0	42	0	1000	0	0	-567	433	433	1026	927%	19600	377000
23	75	52	1.5	0	126	0	1000	0	0	-629	371	371	1025	193%	19200	377000
24	79	38	6.5	0	548	0	1000	0	0	-434	566	566	1029	3%	24100	249000
25	59	26	22.5	0	1897	0	1000	0	0	284	1284	1284	1026	-32%	19300	375000
26	52	27	25.5	0	2150	0	1000	0	0	768	1768	1768	1017	-18%	19300	387000
27	52	26	0	0	2192	0	1000	0	0	849	1849	1849	1021	-16%	17500	334000
28	57	37	18	0	1517	0	1000	0	0	498	1498	1498	1021	-1%	18900	315000
29	67	39	12	0	1012	0	1000	0	0	178	1178	1178	1018	16%	19600	396000
30	68	40	11	0	927	0	1000	0	0	-109	891	891	1021	-4%	19300	372000
31	70	42	9	0	917	0	1000	0	0	-258	742	742	1019	-19%	24000	365000
											cal Wash ax Mine #5				684572	
Total															137150	
Max d-c											Avg. Btu	1024.8				
Dthms/dday											TOTAL PIPELINE RECEIPT	23699	23699		Tot. Energy 1.2E+007	
CORRECTED RCTS=>											TRU-UP FIGURE	284			Max. Daily Dmd. 24100	
SPOT MKT GAS											23699	23983			Max. Sys. Dmd. 24100	
Avg. TEMP.											23699	1849	Pk del'y		Min. Dmd. 13500	
Max Heating											1849	1849			Tot. Dmd 1.8E+007	
											Sys. Load Factor				65.63%	

MT CARMEL PUBLIC UTILITY CO
HEATING and COOLING DEGREE DAYS CALCULATIONS
NOVEMBER 2001

06-Mar-02 09:48 AM

Day	Temp High	Temp Low	Degree Days Htg Cdg	GAS			ELECTRIC									
				Calc Demar	Supplmnt Gas	PROPROPANE WOODWARD STORAGE	(Over) Under	Total Receipt	Pipeline Receipt	BTU	% Act'l / Calc					
											Demand Kw					
											Energy Kwh					
1	74	46	5	0	422	0	1900	0	0	-1443	457	457	1018	8%	19500	377000
2	70	36	12	0	1012	0	1900	0	0	-1249	651	651	1021	-36%	18700	370000
3	73	37	10	0	843	0	1900	0	0	-1160	740	740	1019	-12%	16900	309000
4	76	35	9.5	0	801	0	1900	0	0	-1182	718	718	1020	-10%	17900	285000
5	61	30	19.5	0	1644	0	1900	0	0	-638	1262	1262	1015	-23%	19400	346000
6	67	33	15	0	1265	0	1900	0	0	-670	1230	1230	1018	-3%	19700	389000
7	74	45	5.5	0	464	0	1900	0	0	-1041	859	859	1015	85%	19800	377000
8	75	28	13.5	0	1138	0	1900	0	0	-722	1178	1178	1013	4%	19600	389000
9	59	34	18.5	0	1560	0	1900	0	0	-488	1412	1412	1015	-9%	19300	365000
10	59	30	20.5	0	1728	0	1900	0	0	-812	1088	1088	1018	-37%	13900	273000
11	65	30	17.5	0	1475	0	1900	0	0	-527	1373	1373	1015	-7%	15500	283000
12	65	30	17.5	0	1475	0	1900	0	0	-478	1422	1422	1014	-4%	19300	358000
13	68	45	8.5	0	717	0	1900	0	0	-866	1034	1034	1017	44%	19400	365000
14	72	37	10.5	0	885	0	1900	0	0	-1022	878	878	1017	-1%	19700	372000
15	73	43	7	0	590	0	1900	0	0	-1131	769	769	1017	30%	19500	377000
16	77	41	6	0	506	0	1900	0	0	-1327	573	573	1017	13%	19000	353000
17	78	40	6	0	506	0	1900	0	0	-1346	554	554	1017	10%	16700	304000
18	72	47	5.5	0	464	0	1900	0	0	-1285	615	615	1009	33%	18000	297000
19	58	25	23.5	0	1981	0	1900	0	0	-141	1759	1759	1012	-11%	20600	401000
20	49	29	26	0	2192	0	1900	0	0	313	2213	2213	1007	1%	21100	405000
21	59	32	19.5	0	1644	0	1900	0	0	-216	1684	1684	1013	2%	20200	379000
22	62	37	15.5	0	1307	0	1900	0	0	-689	1211	1211	1011	-7%	13900	269000
23	65	42	11.5	0	969	0	1900	0	0	-1177	723	723	1013	-25%	13000	259000
24	65	49	8	0	674	0	1900	0	0	-1211	689	689	1009	2%	13300	267000
25	61	33	18	0	1517	0	1900	0	0	-772	1128	1128	1010	-26%	18300	302000
26	64	43	11.5	0	969	0	1900	0	0	-872	1028	1028	1013	6%	20400	389000
27	52	32	23	0	1939	0	1900	0	0	-226	1674	1674	1017	-14%	20800	394000
28	45	32	26.5	0	2234	0	1900	0	0	221	2121	2121	1017	-5%	21400	400000
29	62	27	20.5	0	1728	0	1900	0	0	-166	1734	1734	1019	0%	20900	408000
30	44	33	26.5	0	2234	0	1900	0	0	301	2201	2201	1023	-1%	20500	393000
31	65	65	0	0	234	,				0				-100%		
Total				2009	1146	437.5	0	37115	0	57000	0	0	-22022	34978	34978	595724
				Max d-c	26.5	0.0									145546	
				TOTAL PIPELINE RECEIPT				34978	34978	Pal Wash ax Mine #5				Avg. Btu 1015.3		
				TRU-UP FIGURE				-84								
				CORRECTED RCTS=>				34978	34894							
				SPOT MKT GAS				34978	2213	Pk dely						

MT CARMEL PUBLIC UTILITY Co
HEATING and COOLING DEGREE DAYS CALCULATIONS
DECEMBER 2001

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Day	Temp High	Temp Low	Degree Days Htg	Cig	Calc Demar	Supplmnt Gas	GAS			ELECTRIC				
							(Over) Under		Total Receipt	Pipeline Receipt	% Act'l / Calc	Demand Kw	Energy Kwh	
							PROPANE	WOODWARD	STORAGE	TRI-STATE				
1	55	29	23	0	1939	0	2710	0	0	-1125	1585	1585 1026.3	-18%	15600 305000
2	61	33	18	0	1517	0	2710	0	0	-1367	1343	1343 1026.3	-11%	19500 315000
3	65	46	9.5	0	801	0	2710	0	0	-1692	1018	1018 1026.3	27%	20300 401000
4	68	52	5	0	422	0	2710	0	0	-1852	858	858 1026.3	104%	20100 396000
5	70	42	9	0	759	0	2710	0	0	-2016	694	694 1026.3	-9%	20200 389000
6	54	43	16.5	0	1391	0	2710	0	0	-1548	1162	1162 1026.3	-16%	20500 394000
7	51	40	19.5	0	1644	0	2710	0	0	-1399	1311	1311 1026.3	-20%	20000 382000
8	49	23	29	0	2445	0	2710	0	0	-892	1818	1818 1026.3	-26%	18900 345000
9	47	21	31	0	2613	0	2710	0	0	-546	2164	2164 1026.3	-17%	20200 338000
10	49	23	29	0	2445	0	2710	0	0	-320	2390	2390 1026.3	-2%	21800 424000
11	55	30	22.5	0	1897	0	2710	0	0	-890	1820	1820 1026.3	-4%	21600 412000
12	56	42	16	0	1349	0	2710	0	0	-1264	1446	1446 1026.3	7%	21600 419000
13	54	37	19.5	0	1644	0	2710	0	0	-1271	1439	1439 1026.3	-12%	21000 405000
14	45	33	26	0	2192	0	2710	0	0	-704	2006	2006 1026.3	-8%	21600 412000
15	50	35	22.5	0	1897	0	2710	0	0	-1033	1677	1677 1026.3	-12%	19800 345000
16	51	40	19.5	0	1644	0	2710	0	0	-1229	1481	1481 1026.3	-10%	19700 333000
17	49	28	26.5	0	2234	0	2710	0	0	-833	1877	1877 1026.3	-16%	21600 424000
18	51	33	23	0	1939	0	2710	0	0	-754	1956	1956 1026.3	1%	21200 362000
19	45	24	30.5	0	2571	0	2710	0	0	66	2776	2776 1026.3	8%	22800 439000
20	50	27	26.5	0	2234	0	2710	0	0	-167	2543	2543 1026.3	14%	21700 432000
21	50	27	26.5	0	2234	0	2710	0	0	-661	2049	2049 1026.3	-8%	21500 381000
22	55	23	26	0	2192	0	2710	0	0	-842	1868	1868 1026.3	-15%	25800 314000
23	43	14	36.5	0	3077	0	2710	0	0	-97	2613	2613 1026.3	-15%	16300 326000
24	37	15	39	0	3288	0	2710	0	0	294	3004	3004 1026.3	-9%	16600 338000
25	32	16	41	0	3456	0	2710	0	0	460	3170	3170 1026.3	-8%	20300 363000
26	32	18	40	0	3372	0	2710	0	0	660	3370	3370 1026.3	-0%	22900 461000
27	40	23	33.5	0	2824	0	2710	0	0	216	2926	2926 1026.3	4%	21700 425000
28	46	17	33.5	0	2824	0	2710	0	0	-34	2676	2676 1026.3	-5%	21200 410000
29	28	9	46.5	0	3920	0	2710	0	0	982	3692	3692 1026.3	-6%	20500 398000
30	27	9	47	0	3962	0	2710	0	0	1054	3764	3764 1026.3	-5%	19600 374000
31	23	8	49.5	0	3991	0	2710	0	0	-202	2508	2508 1026.3	-37%	20500 398000
Totals														
	1488	860	841	0	70715	0	84010	0	0	-19006	65004	65004 Avg. Blu	-8% 1026.3	
	Max d-c		49.5	0.0										
TOTAL PIPELINE RECEIPT														
TRU-UP FIGURE														
CORRECTED RCTS=>														
SPOT MKT GAS														
Dthms/dday														
77.3														
Dthms/dday														
77.2937														
Sys. Load Factor														
61.79%														

MT CARMEL PUBLIC UTILITY CO
HEATING and COOLING DEGREE DAYS CALCULATIONS
ANNUAL TOTALS 2001

06-Mar-02 09:48 AM

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- ENG 2.12 Did your utility curtail service to any of its firm customers during the reconciliation period? If yes, state the number of customers curtailed by tariff, the date of the curtailment, an estimate of how much gas was not delivered, and the reason for the curtailment.

No service was curtailed.

- ENG 2.13 Did your utility take any unauthorized use gas from any pipeline and incur associated overrun (or similar) charges during the reconciliation period? If yes, then state the amount of overrun gas taken and the level of overrun charges for each occurrence, explain the cause of each occurrence, provide the date of each occurrence, and state the name of the service territories that received overrun gas from each occurrence.

No unauthorized use gas was taken.

- ENG 2.14 Provide the annual quantity of unaccounted for gas, in percent, based on your utility's total sendout for the reconciliation period. Also, provide the unaccounted for value your utility provided to the Department of Transportation for the period July 1, 2000 through June 30, 2001. If either of the values provided is greater than 3%, provide an explanation. Also, provide your utility's unaccounted for gas level for the prior two periods using the same definitions as asked above. If the unaccounted for gas level shows an increasing trend, then describe what actions your utility has taken to reduce or account for the increasing levels of unaccounted for gas.

	As of June 30	As of December 31
1999	-0.54%	0.02%
2000	1.20%	7.86%
2001	2.85%	-5.80%

Crew time was diverted from maintenance to construction of new gas main in conjunction with major street widening; the project is complete, and maintenance of mains has been resumed. The end of year falls in the middle of the heating season, and unaccounted for gas reflects major differences in unbilled gas at month end.

MANAGEMENT, DECISION MAKING, AND PLANNING

- ENG 2.15** Explain the gas load forecasting methods used by your utility to determine daily, short-term, long-term, and peak demand load requirements were determined during the reconciliation period. Provide all assumptions used for determining long-term and peak load values and your utility's basis for those assumptions.

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- ENG 2.16 Explain how your utility planned its mix of purchases to help ensure that your utility would not experience shortages or be oversupplied during the reconciliation period. Also, explain how this mix of purchases ensured that reliable gas service would be supplied to customers at the lowest cost during the reconciliation period.
- 

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ENG 2.17 For each service territory during the reconciliation period, provide the forecasted peak design day, the estimated amount of available peak day supply, and the reserve margin used to serve your customers' peak demand needs. Also, list and explain all criteria used by your utility as a basis for each of these values. Provide any work papers, reports, studies, or analyses that were used by your utility to apply these criteria to the reconciliation period. If none of these documents are supplied, explain why not.

[REDACTED]

ENG 2.18 Explain how often after the fact evaluations and audits are conducted by your utility on its purchasing and contracting decisions. Provide a copy of all documents pertaining to these evaluations. Identify any decisions, recommendations, policy changes, and new procedures that have resulted from these evaluations.

A) Provide the date when the latest after the fact evaluations were conducted and provide copies of those reports.

B) Provide the date when the latest audits were conducted and provide copies of the latest audit reports.

C) List and explain any changes or modifications made to these functions as a result of the latest after the fact evaluation or audits.

[REDACTED]

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ENG 2.19 Explain all written procedures for purchasing and contracting that were in effect during the reconciliation period or that were in effect when past purchases and contracts were made that extended into the reconciliation period. Provide a copy of these written procedures.

[REDACTED]

[REDACTED]

ENG 2.20 Provide the date of the most recent general management review of purchasing and contracting procedures. Provide a copy of all documents pertaining to these evaluations. Identify any decisions, recommendations, policy changes, and new procedures that have resulted from these evaluations.

None.

ENG 2.21 Provide the date when the purchasing and contracting procedures were most recently changed and explain why the changes were made.

[REDACTED]

[REDACTED]

[REDACTED]

SECRET 07-0704 MT CARMEL

ENR 2.21



Woodward Marketing, Inc.

NATURAL GAS PURCHASE AND SALE AGREEMENT

THE SALES AGREEMENT AND EXHIBITS A THROUGH D HAVE BEEN REDACTED AS THEY
ARE CONFIDENTIAL AND PROPRIETARY.

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ENG 2.22 Explain the procedures used to verify the quality and quantity of gas and propane delivered to your utility's system during the reconciliation period. How did the procedures ensure that your utility always received the quantity and quality for which it paid?

Gas delivered to Mt Carmel is continuously monitored by calorimeter to assure that the heat content is consistent with the pipeline billed heat content; if there should be a difference noted, billed quantity corrections would be requested from the pipeline. There have been no apparent discrepancies observed.

Metering is done by turbo-meters installed at Grayville for three wholesale customers; the sum of the three meters output is reconciled to the total delivered by TETCO and the difference is allocated in proportion to the volume taken by each LDC. The three meters are calibrated semiannually each spring and fall. In 1994, the meters were upgraded to permit on demand monitoring by modem; this has facilitated rational peak shaving with propane/air. In 1999, the thermal sensing module in the metering computer degraded and then failed, resulting in a default temperature reading of 212 F; the temperature correction derived from the flawed indicator resulted in a major understatement of our actual receipts. The affected equipment has been repaired and upgraded.

Propane is received by bulk delivery from tanker truck. The metering appears to be correct, based on gauged levels before and after filling.

- ENG 2.23 Explain how (meter type, size or capacity) the volume of gas delivered at each of your utility's take points is measured (if not metered then explain how gas volume is measured) and provide the following information for each take point:
- A) The frequency that your utility is allowed to check the accuracy of the device;
 - B) The accuracy limits allowed on these devices (i.e. accurate to within +/- .1%) before the devices must be adjusted;
 - C) The frequency that your utility checked these devices during the reconciliation period;
 - D) The results of your utility's review of these measurement device (i.e. correction to bill, meter adjusted, meter accuracy met requirements, etc.); and
 - E) Owner of the measurement device.

The three wholesale customers taking gas from the City of Grayville tap on the Texas Eastern Transmission Co's take point south of Grayville own their individual turbine meters for the allocation of gas received at the Grayville tap, which is measured by TETCO's orifice meter. The City of Grayville is responsible for ensuring the accuracy of the TETCO value, and employs a consultant to review accuracy, and to allocate imbalances between the sum of the three meters' reported volumes and the quantity reported by TETCO.

TETCO

- A) By tariff, the TETCO meter may be calibrated monthly. The orifice is changed each spring and fall.
- B) TETCO will adjust billings whenever tests show more than a +/- 1.0% error.
- C) TETCO inspectors checked orifices for condition at least weekly. Grayville did not report any material errors in the volumes billed.
- D) The net reconciliation for calendar 2001 was 3,083 Dthms out of 418,518 received, or 0.74% of gas received.
- E) TETCO

Mt Carmel

- A) By agreement, the three entities taking gas at Grayville request calibration each spring and fall.
- B) If a given meter is found to be more than 1% off, its readings are corrected by the degree of error back to half the time since the prior calibration.
- C) Twice during the year.
- D) Meters were found to be within tolerance.
- E) Mt Carmel owns its meter, as do the City of Grayville and Consumers Gas Company respectively own theirs.